

Soviet-British Tests with USW Space Radio
Communication, by I. M. Pusyrev, 9 pp.
RUSSEIAN, per, Zemlya i vesennaya, No 4,
Jul-Aug 1965, pp. 58-62.
JPRS 32442

USSR
Sci-Electronics
Oct 65

290,990

The Geodetic Network and Artificial Earth
Satellites, by N. P. Yeryylev, 9 pp.
RUSSIAN, per, Zemlya i vesolennaya, No 4,
Jul-Aug 1965, pp. 65-69.
JPRS 32431

USSR
Sci-Astro
Oct 65

290,982

The International Year of the Quiet Sun, by
B. I. Silkin, 15 pp.
RUSSIAN, per, Zemlya i vselennaya, No 5,
Sept-Oct 1965, pp. 11-16.
JPRS 33478

USSR
Sci-ES/A
Jan 66

293,883

The Rift System of the Earth, by A. V. Il'in,
13 pp.
RUSSIAN, per, Zemlya i vselennaya, No 5,
Sept-Oct 1965, pp. 46-52.
JPRS 33478

USSR

Sci-ES/A

Jan 66

293,889

News from the Bottom of the Ocean, 6 pp.
RUSSIAN, per, Zarya i vostochnaya, No 5,
Sept-Oct 1965, pp. 48-50.
JPRS 33478

USER
Sci-ES/A
Jan 66

293,890

What Is the Gulf Stream?, by A. D. Yampol'skiy, 9 pp.

RUSSIAN, per, Zemlya i vselemaya, No 5,
Sept-Oct 1965, pp. 53-56.
JPRS 33478

USSR
Sci-ES/A
Jan 66

293,891

The Conference on Gravity in Tiflis.
RUSSIAN, per, Zemlya i Vseleennaya, No. 5, 1965,
pp 71-73.
ACIC TC-1115

Sci/Earth Sci
Dec 66

314,316

Problems of Seismic Studies on the Moon, by
V. N. Zharkov, 16 pp.

RUSSIAN, per, Zemlya i vselennaya, No 6,
Nov-Dec 1965, pp. 16-23.

JPRS 34142

USSR

Sci-ES/A

Feb 66

295,733

The Polar Auroras, by O. L. Vaysberg, 12 pp.
RUSSIAN, per, Zemlya i vseleennaya, No 6,
Nov-Dec 1965, pp. 24-30.
JPRS 34143

USSR
Sci-ES/A
Feb 66

295,732

Satellite Meteorology, by M. S. Malkovich,
11 pp.

RUSSIAN, per, Zamlye i vseleennaya, No 6, 1965,
Nov-Dec 1965, pp. 31-35.

JPRS 34144

USSR
Sci-ES/A
Feb 66

295,731

Bernhard Schmidt - Outstanding Twentieth-
Century Optician, by P. V. Myrsepp, 15 pp.
RUSSIAN, per, Znalya i vseyennaya, No 6,
Nov-Dec 1965, pp. 45-52.
JPRS 34145

USSR
Sci-EB/A
Feb 66

295,734

Study of the Earth-Type Planets, by
I. K. Koval'.
RUSSIAN, per, Zemlya i Vseleennaya,
Vol I, No 6, 1965, pp 53-55.
NASA TT F-9898

GOVERNMENT USE ONLY

Sci-Aero

May 66

300,824

Czechoslovakian Tekite Field,
by G. G. Vorob'yev.
RUSSIAN, per, Zemlya i Vselennaya, Vol 1,
No 6, 1965, pp 67-71.
NASA TT F-9897

U. S. GOVERNMENT USE ONLY

Sci

May 66

300,879

20th Anniversary of Institute of Oceanology,
by N. M. Belousov, 11 pp.
RUSSIAN, per. Zemlya i Vseleennaya, No 4,
Apr 1966, pp. 60-65.
JPRS 40683

USSR
Sci-ES&O
Jun 67

325,718

Atomic Time, by N. S. Elinov, 9 pp.
RUSSIAN, per, Zemlya I Vseleennaya, No 5,
1966, pp 43-47.
AIR/FTD/HT-23-1366-67

Sci-Astron & Astrophys
Jan 69

370,826

The Physics of Wind Waves, by V. V. Shuleykin.
15 pp.

SUMMARY, por, Zvezda i Vozdushnyy, No 5, 1967,
pp 75-83.

AIR/MD/ T-24-159-69

sci/earth sci

Feb 70

402,669

atmospheric turbulence, by V. I. Gerasimov. 7 pp.
USSR, Ser. Zhurnal Voennoy, No. 2, 1968,
pp. 43-46.
NAVJAG 1-24-45-69

sci/ atmospheric sci
oct 69

395,352

New Geophysical Observatory Described, by
I. I. Popov, 10 pp.
RUSSIAN, per. Zemlya i .seleznaya, no 2, 1968,
pp 58-65.
JPRS 45740

Sci-ear Sci
Jul 68

360,051

Conference of Celestial Mechanics and Astro-
dynamics, by Ye. P. Aksenov.

RUSSIAN, per, Zemlya i Vselennaya, No 2,
1968, pp 72-74.

Dept of Navy APL/JHU T-2326

Ssi-Astron
Nov 69

395,744

Mars, What is its Surface Composition?,
by O. N. Rzhiga.
RUSSIAN, per, Zemlya, Vseleennaya, No 5,
1968, pp. 37-43.
LL (149)- 9-20

Aug 69

389, 386³⁸⁸

RECEIVED CHECK 13-7-7 BR70-1379
Hydrological forecasting and contemporary compu-
ter technology in the USSR
Kuchment, L.S., Chemerenko, Ye. P.
Russ per: Zemiya i Vselennaya, no 3, 1969, 25-32

In process

NT-24-193-70

*Negative
25 July 70*

Astrodynamic Characteristics of Flight on the
Course Earth-Moon-Earth, by H. A. Ryabov. 10 pp.
RUSSIAN, per, Zemlya i Vseleennaya, No 4, 1969,
pp 12-16.
AIR/FTD/MT-24-177-70

Sci-Astron
Dec 70

Weather on Other Planets, by G. S. Golitsyn.
11 pp.
RUSSIAN, per, Zemlya i Vseleennaya, Nov-Dec
1969, pp 25-30.
NASA TT F-13,112

Sci-Astron
Sep 70

Meteorological satellites and the weather service, by
V. A. Bugayev. 14 pp.
RUSSIAN, per, Zemlya i Vselemuya, No 1, 1970, pp 21-28
AIR/FTD-HT-23-1212-71

apr 72

V. V. Parin

Medical and biological problems in the conquest of
space, by V. V. Parin.

RUSSIAN, per, Zemlya i Vselennaya, No 3, 1970, pp 15-23

NASA TT F 14,165

May-June

may 72

Observations of Artificial Earth Satellites at
Udgorod, by L. V. Kuznetsov, 5 pp.
RUSSIAN, per. Zenya I. Vasilovskaya, Moscow, No 4,
1971, pp 48-51.
JPRS 94766

Jan 72

RUSSIAN JPRS -56841
12pp.

CSO: 02809/72
5 Jun 72

W
EF

On sun patrol "Interkosmos-4", by B. I. Valnichok,
I. F. Tindo, et. al.

Moscow, Zarya i veselennaya, No 6, 1971, pp 16-21.

Please publish - including reproductions. Doc. may
be clipped.

V. A. Bronshten

Origin of the asteroids, by V. A. Bronshten. / 1971
RUSSIAN, per, Zemlia i Vselennaya, Sept-Oct. 1971,
pp 53-59.
NASA TT F 14,266

may 72

'Interkosmos-4' Space Observations and Instru-
ments, by B. I. Valnichek, 13 pp.
RUSSIAN, per. Zenya i Vselennaya, Moscow, No 6,
Nov-Dec 1971, pp 16-21.
JPRS 56341

July 72

M. S. Borrov

Saturn

Zemlya Vseleennaya (USSR), Jan - Feb 1972 p 10-17

NASA TT F 14617

Feb 73

The Earth's Crust and the Upper Mantle of the
Continents, by V. V. Belousov, 169 pp.
RUSSIAN, monograph, Zemnaya Kora i Verkhnyaya
Mantiya Materikov.
JPRS 37800

USSR
Sci-ES/O
Oct 66

311,799

The Crust and Upper Mantle of the Oceans, by
V. V. Belousov.
RUSSIAN, bk, Zemnaya Kora i Verkhnyaya Mantlya
Okeanov, 1968.
Florum Press

Sci/Ear Sci & Oceanog
May 68

356,526

Amphibians and Reptiles of Crimea, by M. M. Shcherbak.
RUSSIAN, bk, Zemnovodnye i Presnykalushchiesia Kryma,
1966.

*NTIS TT 72-51042

Aug 72

Magnetology and the Theory of the Earth's
Magnetic Field and its Variations, by
 Boris Aleksandrovich Yanovski.
 MOSCOW, 1960, Zemnoy Magnetizm, Vol 1,
 1960, pp. 25-141; 144-155; 157, 159,
 167-193; 220-229; 266-269.
 ACU TC-235

Earth Sci & Astron
Sep 65

238,743

On the Method of Harmonic Analysis of Weak Tides,
by V. G. Balenko.

RUSSIAN, bk, Zemnyy Priliv, 1966, pp 34-50.

ACIC-TC-1515

Sci-Ear Sci
Aug 69

390,074

B. P. Pertsev

*Estimation of the effects of marine tides on ground
lines at points remote from the ocean, B. P. Pertsev.*

81 pp.

RUSSIAN, 1k, *Смещение рельефа в матер. строении суши*,

1967, pp. 10-22

ARMA 171. 14, 141

may 73

Anti Aircraft Missile Forces and Anti Aircraft
Artillery, by V. P. Ashkerov, 45 pp.

RUSSIAN, rpt, Zenitnyye Raketnyye Voyska 1
Zenitnaya Artilleriya, 1968.

ACSI-J-7339

ID 2901002969

USSR

Mil

Nov 69

395,639

Scientific Investigations in the USSR on the
Safe Use of Electricity in Coal Mines, by
V.S. Kravchenko.

RUSSIAN, per, Zergakademie, Vol 12, 1967,
pp 728-733.

NEL Ref 8313.4 (5638)

Misc

July 69

385-380

Production, Use of Grain Forage Discussed, by
I. Kuznetsov, 8 pp.
RUSSIA, per, Zernovoye khozyaystvo, Moscow, no 2,
Feb 1972, pp 2-5.
JFID 55558

Apr 72

Reducing Grain Losses During Harvesting Discussed,
by N. M. Dvorkind, 9 pp.
RUSSIAN, per, Zarnoye Khoslystvo, Moscow, No 11,
1972. pp 39-42.
JPRS 57695

Dec 72

Ways to Overcome Winterkill Losses Discussed,
6 pp.
RUSSIAN, per. Zernovyye i Maslennyye, Moscow,
No 4, 1969, pp 2-4.
JPRS 48233

Sci-Agri
July 69

383,517

Poor Strong wheat Quality Discussed, by A. Ivanov,
A. Varlamov, 8 pp.

RUSSIAN, per, Zernovyye i Maslichnyye Kul'tury,
Moscow, No 8, 1968, pp 11-15.

JPRS 53860

Sept 71

Irrigation Farming Will Raise Crop Yields, 5 pp.
RUSSIAN, per. Zernovyye i Maslichnyye Kultury.
Moscow, No 5, 1969, pp 2-3.
JPRS 48344

Sci-Agri
July 69

337.958

Crop Placement Must Meet Local, National Needs,
by P. Zabaznyy, 9 pp.

RUSSIAN, per, Zernovyye i Maslichnyye Kultury.
Moscow, No 5, 1969, pp 9-11.

JPRS 48344

Sci-Agri

July 69

387,959

Harvesting Procedures to Reduce Grain Losses,
by A. Omitov, 6 pp.
RUSSIAN, per, Zernovyye i Maslichnyye Kultury.
Moscow, Jun 1969, pp 2-5.
JPRS 48520

Sci-Agri
Aug 69

389,081

Regional Recommendations for Cereal Crops
Given, by P. Zabayev, 8 pp.
RUSSIAN, per, Zernovyye i Maslichnyye Kultury.
Moscow, Jun 1969, pp 11-13.
JPRS 48510

Sci-Agr
Aug 69

389,080

Grain keeps Its Important Position in Agriculture,
by V. Boyev, 6 pp.

RUSSIAN, per. Zernovye i maslichnyye kultury.

Moscow, No 7, 1969, pp 8-10.

JPRS 43714

Sci-Agri

Sept 69

390,789

Low Production of Linseed Oil Criticized, by
V. Sualov, 7 pp.
RUSSIAN, per. Zernovyye i Maslichnyye Kul'tury.
Moscow, No 8, 1969, pp 43-45.
JPRS 49173

Sci-Agr
Nov 69

393,823

Various Winter Wheat Sowing Rates Explained,
by V. Usenko, N. Borodin, 13 pp.
RUSSIAN, per, Zernovyye i Maslichnyye Kul'tury.
Moscow, No 10, 1969, pp 22-25.
JNIS 49312

Sci-Agri
Nov 69

394,044

Methods of Increasing Grain Crop Yields
Illustrated, by A. Kozlov, 7 pp.
RUSSIAN, per, Trudy i Mashiny Kul'tury
Moscow, No 2, 1970, pp 10-12.
JPRS 50368

Sci-Agr1
Apr 70

407,180

Development in Agricultural Technology
 Class by G. Borkowski, 5 pp.
 Moscow, per. [illegible] [illegible]
 Moscow, No 2, 1970, pp 12-13.
 JPRS 50368

Sol-Agr1
 Apr 70

407,179

Methods of Reducing Military Group Losses
Submitted by T. Kinsler, 6 pp.
NATIONAL, part. Department of Defense, Defense
Research, no. 4, 1970, pp. 41-46.
JPRS 50963

Sci-Agr1
Jul 70

Methods to Prevent Winter Grain Damage
Submitted by V. Lichner, 7 pp.
Kiev, USSR, September 1, 1976. Re: Grain Damage
Kiev, No 4, 1976. PP 44-50.
JPRS 50963

Sov-Agr
Jul 79

Below Solution for finding 21 Volga Shippo
from by E. Shal'vayev, 6 pp.
MOSCOW, pers. ~~Shal'vayev~~ ~~Shal'vayev~~ ~~Shal'vayev~~
Moscow, No 5. 1970. pp 15-17.
JPRS 90963

Sol-Agri
Jul 70

Memorandum to Contact Winter Camp Leases in
Alaska by H. Johnson, 8 pp.
SUMMARY, para. 1. SUMMARY 1. Background. History.
Alaska, No 5. 1970. pp 3-37.
JPRS 20963

Del-Agr
Jul 70

Party Responsibility in Agricultural Progress
discussed, 5 pp.
RUSSIAN, per. Agribusiness & Agriculture Bulletin,
Moscow, No 8, 1970, pp 2-3.

JPRS 51695

Sov-Agr
Nov 70

Glenglass Creek Production Surveyed, by
E. Dwyer, 9 pp.
RUSSIAN, par. ~~Glenglass Creek~~ ~~Glenglass Creek~~.
Moscow, No 3, 1971, pp 6-11.
JFIS 53293

June 71

The Force Parameters of Rolling Steel in
Symmetrically Open Box Passes, by Nowakowski,
RUSSIAN, per. Zesty Nauk Akad Gorn Hutn Met.,
Otlewn, No 28, 1970, pp 101-117.
*BISI 9429

Jul 71

Refractory Compounds and Their Role in
Engineering, by A. S. Silorov, 72p
RUSSIAN, rpt, Zharechnyye Soyedineniya i
ikh rol' v Novy Tekhnike, 1966, 1: 5-62
JPRS 59465

DTIC
Sci-Mater: 15
Jan 67

SI 5,067

High-Temperature Steels and Alloys, by F. F. Khimushin
pp 406-862

RUSSIAN, bk, Zharoprochnyye Stali i Splavy, 1969,
pp 1-749

AIR/FFD-HC-23-391-70 Part 2

july 71

Some Properties, Structure, and Phase Composition of Heat-Resistant Hardened Cement Based on Sodium Silicate, by A. P. Tarasova
RUSSIAN, Rpt, 'Zharost. Beton i Zhelezobeton v Stroit.' Moscow, 1966, pp 74-80.
MLL Ref: 5196 (1409)

Sci-Materials
July 68

360,870

oxidation-Resistant Materials - A handbook,
by N. P. Sachedov, N. L. Gakhar, 100 p.
MOSCOW, bk, Zharnostoykiye Materialy --
Spravochnoye posobiye, 1965.
ACSI 1-8834
ID 2218356965 - ✓

Sci- 7
Feb 66

296,155

Heat Resistant Coatings, by N. A. Toropov.
RUSSIAN, ~~6*~~ Zharostoykie Pokrytiya, 1965.
*6

Sci-Phys
Jan 66

The Diffusion Process for Titaniumization of Steel and
Its Use in Shipbuilding, by A. G. Mudrova, 7 pp.

RUSSIAN, rpt, Zharostoykiye i Teplostoykiye Pokrytiya,
Proceedings of the 4th All-Union Conference on High
Temperature Coatings, 27-31 May 1968, Leningrad, 1969,
pp 174-180.

NAV/NIC/Tran-3220-71

July 71

REQ TR CHECK

28-10-2

BR70-2101

Reduction in the gas permeability of plasma
coatingsUsov, L.N., Borisenko, A.I., Grigoryeva, I.M.
Russ: Zhafostoikie Toplostoikie Pokrytiya, Tr.
Vses. Soveshch., 4th 1968 (Pub 1968) 269-273*In process as**MT-24-348-70**Negative
6/10/70*

Deposition of Niobium and Niobium-Carbide Coatings
from Niobium Iodides, by N. N. Repnikov,
9 pp.
RUSSIAN, rpt, Zharostoykiye Teplostoykiye Pokrytiya,
4th All Union Conference , 1968, pp 307-313.
AEC/SL/A-73-0023

Jan 73

Diffusion Titanium Coating of Refractory Metals, by
V. P. Shapovalov, N. S. Gorbunov, 10 pp.
RUSSIAN, bk, Zharostoykiye i Teplostoykiye Pokrytiya,
Leningrad, 1969, pp 132-139.
AIR/FTD/MT-24-126-71

Jan 72

English title unknown, by L. I. Bobrov.
RUSSIAN, title, Zharostoykiye Voloknistyye Materialy,
pp 71-74.
FTD MF-25-24-69

Prospects for the Development of Automation,
Telemechanics, and Communications for Railroads.
RUSSIAN, per, Zheleznodorozhnoye Khozyaystvo,
No 11, 1969.
DIA LN 974-71

Oct 71

Railroad Track on Reinforced Concrete Ties, by
A. F. Zolotarski.

RUSSIAN, bk, Zheleznodorozhnyi Putv Na Zhelezobetonnykh
Shpalakh, 1967.

*NTIS TT 72-53005

Mar 72

Plans for Railroad Transport in the Completing
Year of the Seven-Year Plan, 8 pp
RUSSIAN, per, Zheleznodorozhnyy transport, No 1,
Jan 65, pp 3-6
JPRS 29417

USSR
Econ
Apr 65

277,554

A Technical-Economic Review of Soviet Railway
Transportation in 1964, 11 pp.

RUSSIAN, per, Zheleznodorozhnyy transport, No 3,
Mar 1965, pp. 10-13.

JPRS 30698

77-45-7181

USSR

Econ

Jun 65

282,052

■
Operation of Double-Track Inserts,
by V. Ye. Kozlov, N. I. Safargalin, 6 pp.
RUSSIAN, per, Zheleznno-Dorozhnyy Transport,
No 3, 1965, pp 35-37.
DIA LN 169-66 A

USSR/Econ
May 66

300,809

Railway Transport in the USSR in 1965, 12 pp.
RUSSIAN, per, Zhelezнодорожный Transport,
No 3, Mar 1966, pp. 68-71.
JPRS 35776

USSR
Econ
Jun 66

302,858

Construction of Abakan - Tayshet Railroad
Line, by G. S. Tavetkov, and Ya. M. Levin,
7 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 4, Apr 1965, pp 82-84
JPRS 31259

USSR
Econ
Aug 65

285,592

Utilization and Maintenance of Rolling Stock
Must Be Improved, 9 pp.
RUSSIAN, per, Zhurnalovozhnyy Transport,
No 5, May 1965, pp. 3-6.
JPRS 31815

USSR
Econ
Sept 65

236,023

Plans for the Construction of the Tyumen'-
Surgut Railroad Line; New Passenger and
Freight Traffic Timetables, 8 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 5, May 1965, pp. 77-80.
JPRS 31815

USSR
Econ
Sept 65

286,024

Computer Center for the Moscow Railroad,
by A. S. Sochivko, 7 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 7, Jul 1965, pp. 79-81.
JPRS 33654

USSR
Econ
Jan 66

295,073

Railway Transportation in the USSR during
the First Six Months of 1965, 8 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 9, Sept 1965, pp. 16-19.
JPRS 33139

USSR
Econ
Dec 65

292,521

Railway Transport in Soviet Russia, in 1965.

14 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,

No 3, 1966, pp 68-71.

DIA 298-66

USSR/Econ

Aug 66

307,431

Five-Year Plan for a New Upswing of Railroad
Transport, by F. P. Mulyukin, 14 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 4, Apr 1966, pp. 3-9.
JPRS 36577

USSR
Econ
Aug 66

308,163

For a Further Increase of Railroad Car Productivity, by S. F. Nachuchenko, 16 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 4, Apr 1966, pp. 10-17.
JPRS 36577

USSR
Econ
Aug 66

303,164

Railway Construction in the New Five-Year Plan,
2 pp.
RUSSIAN, per, Zheleznodorozhnyy transport,
No 5, May 1966, pp. 3-6.
JPRS 37187

USSR
Econ
Sept 60

310,043

The Development of the Locomotive System in
the New Five-Year Plan, by A. I. Tishchenko,
12 pp.
RUSSIAN, per, Zheleznodorzhnyy transport,
No 5, May 1966, pp. 7-13.
JPRS 37187

USSR
Econ
Sept 66

310,044

The Development of the Railway Car System in
the New Five-Year Plan, by B. K. Salambekov,
9 pp.

RUSSIAN, per, Zheleznodorozhnyy transport,
No 5, May 1966, pp. 14-19.

JPRS 37187

USSR

Econ

Sept 66

310,045